



PTO/SB/08A (Modified)

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	10/070,296		
		Filing Date	March 5, 2002		
		First Named Inventor	Mills		
		Group Art Unit	3617		
		Examiner Name	Unknown		
Sheet	1	of	5	Attorney Docket Number	62-281-REL-2

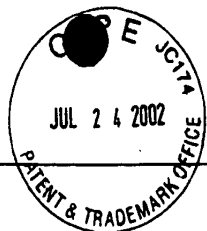
U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code* (if known)			
		4,870,287		Cole, et al	09-26-1989	<b>RECEIVED</b> JUL 26 2002 <b>GROUP 3600</b>
		5,260,581		Lesyna, et al	11-09-1993	
		5,349,198		Takanaka	09-20-1994	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
		WO	90/16073	A1	Mills	12-27-1990		
		WO	95/32021	A1	Mills	11-30-1995		
		JP	63259170		Kazumi	10-26-1988		X

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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3) <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.



PTO/SB/08B (Modified)

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

**Complete if Known**

Application Number	10/070,296
Filing Date	March 5, 2002
First Named Inventor	Mills
Group Art Unit	3617
Examiner Name	Unknown
Attorney Docket Number	62-281-REL-2

Sheet 2 of 5

**OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Abbott, L.F. "Baby universes and making the cosmological constant zero." <i>Nature</i> , 1988, pp. 711-712.	
		Askar'Yan, G.A. "Effects of the gradient of a strong...atoms." <i>Soviet Physics JEFT</i> , 1962, pp. 1088-1090.	
		Barnard, J.J. "The stability of free electron...filamentation." <i>Nuclear Instruments...Research</i> , 1988, pp. 467-471.	
		Cal, S.Y. "Optical Guiding...experiment." <i>Nuclear Instruments...Research</i> , 1988, pp. 136-140.	
		Chiao, R.Y. "Self-trapping...beams." <i>Physical Review Letters</i> , 1964, pp. 479-482.	
		Dothan, F.J. "Dynamics of a z pinch...charged particles." <i>Applied Physics</i> , 1987, pp. 3585-3591.	
		Drake, J.F. "Parametric instabilities...plasmas." <i>The Physics of Fluids</i> , 1974, pp. 778-785.	
		Fedorov, M.V. "Free-electron laser...light wave." <i>Applied Physics Letters</i> , 1988, pp. 353-354.	
		Feldman, D.W. "Energy recovery...laser." <i>Nuclear Instruments...Research</i> , 1987, pp. 26-30.	
		Freund, H. P. "Free-electron lasers." <i>Scientific American</i> , 1989, pp. 84-89.	
		Gandhi, S.P. "Focusing and state selection...effects." <i>J. Chemical Physics</i> , 1987, pp. 6457-6468.	

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fk		Humphries, Jr. "Image current guiding...focusing system." <i>Applied Physics Letters</i> , 1989, pp. 2195-2197.	
		Jaraszynski, D.A. "Optical...laser." <i>IEEE Journal...electronics</i> , 1987, pp. 1514-1521.	
		Kapitza, S.P. "The microtron...laser." <i>Nuclear Instruments...Research</i> , 1987, pp. 285-287.	
		Kaw, P. "Filamentation and trapping...plasmas." <i>Physics of fluids</i> , 1973, pp. 1522-1525.	
		Kho, T.H. "Combined wiggler...cyclotron maser." <i>Int. J. Electronics</i> , 1988, pp. 513-528.	
		LaSala, J.E. "Optical guiding...oscillator." <i>Nuclear Instruments...Research</i> , 1988, pp. 141-146.	
		Liang, E.P. "Laser filamentation...plasma." <i>Phys. Fluids</i> , 1987, pp. 175-178.	
		Lorentz, H.A. "Problems of modern physics." <i>Math-Phys.</i> , pp. 188-221, 278-305.	
		Lumpkin, A.H. "Diagnostics of the Los Alamos...systems." <i>Nuclear Instruments...Research</i> , 1987, pp. 13-18.	
		Maruyama, X.K. "Proposal...CW Microtron." <i>Nuclear Instruments...Research</i> , 1987, pp. 259-262.	
		Oettinger, P.E. "Photoelectron sources...analysis." <i>Nuclear Instruments...Research</i> , 1988, pp. 264-267.	

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		Filing Date	March 5, 2002		
		First Named Inventor	Mills		
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		Examiner Name	Unknown		
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		Palmer, A.J. "Stimulated scattering...plamsas." <i>The Physics of Fluids</i> , 1971, pp. 2714-2718	
		Riyopoulos, S. "Stochastic electron...sidebands." <i>Nuclear Instruments...Research</i> , 1988, pp. 448-456.	
		Sheffield, R.L. "The Los Alamos Photoinjector Program." <i>Nuclear Instruments and Methods in Physics...</i> , 1988, pp. 222-226	
		Siegbahn, K. "Nuclear Instruments and Methods in Physics Research." (1,2) 1987.	
		Warren, "Bending and focusing effects in an Fel Oscillator I." <i>Nuclear Instruments...Research</i> , 1987, pp. 154-157.	
		Carlseten, et. al. "Emittance Studies at the Los Alamos National Laboratory Free Electron Laser." <i>Nuclear Instruments and Methods in Physics Research</i> , 1988, pp. 247-256.	
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		Goldman, et. al. "Gravity and Antimatter." <i>Scientific American</i> , 1988, pp. 32-40.	
		Matteucci, G. "Electron wavelike behavior: A historical and experimental introduction." <i>Am. J. Physics</i> , 58, 1990, pp. 1143-1147.	
		Witteborn, et. al. "Apparatus for measuring the force of gravity on freely falling electrons." <i>Rew. Sci. Instrum.</i> , Vol 48, No. 1, 1977, pp. 1-11.	
	Marshall, et. al. "Flux Penetration...Shielding." <i>Applied Physics</i> , Sec. A...Surfaces, 1989, pp. 87-91.		

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JS		Thompson, "First trap your atom." <i>New Scientist</i> 3, 1987, pp. 56-59.	
		Anderson, J. "Relativity, General." <i>Encyclopedia of Physical Science and Technology</i> , Vol. 14, pp. 389-412.	
		Bonham, et. al. "High Energy Electron Scattering." Litton Educational Publishing, 1974, pp. iii-37.	
		"Astronomers See a Cosmic Antigravity Force at Work." <i>Science</i> , Vol. 29, Feb. 1998, pp. 1298-1299.	
		Witteborn, et. al. "Experimental comparison of th Gravitational Force on Freely Falling Electrons and Metallic Electrons." <i>Physical Review Letters</i> , Vol. 19, No. 18, Oct. 1967, pp. 1049-1052.	

Examiner Signature	<i>JS</i>	Date Considered	10/28/03
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